

Title (en)
Tail rotor for rotor craft

Title (de)
Heckrotor eines Drehflügelflugzeuges

Title (fr)
Rotor anti-couple pour giravion

Publication
EP 0562527 B1 19970910 (EN)

Application
EP 93104691 A 19930322

Priority
JP 9698692 A 19920324

Abstract (en)
[origin: US5306119A] A ducted fan-type tail rotor of a rotor craft in which the tail rotor is surrounded by a tubular duct is provided which includes at least six rotor blades, and pitch horns, each mounted to the respective rotor blades. Each pitch horn is swingable to change a pitch angle of the rotor blade. Some of the pitch horns, the number of which is about a half of the total number of the pitch horns, are mounted to a first type of the rotor blades at a mounting angle larger than a reference mounting angle required to obtain a predetermined thrust, and the remainder of the pitch horns are mounted to a second type of the rotor blades at a mounting angle smaller than the reference mounting angle.

IPC 1-7
B64C 27/82

IPC 8 full level
B64C 11/00 (2006.01); **B64C 27/82** (2006.01)

CPC (source: EP US)
B64C 11/00 (2013.01 - EP US); **B64C 27/82** (2013.01 - EP US); **B64C 2027/8254** (2013.01 - EP US)

Cited by
EP0921274A3; CN105923157A; EP0680876A1; FR2719554A1; US5542818A; CN1062225C; EP0680871A1; FR2719549A1; US5566907A; CN1061618C; EP0680872A1; FR2719550A1; US5588618A; CN1062224C; EP0680873A1; FR2719551A1; US5634611A; US9963226B2; EP2706009A1; US9266602B2

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
US 5306119 A 19940426; DE 69313693 D1 19971016; DE 69313693 T2 19980514; EP 0562527 A1 19930929; EP 0562527 B1 19970910; JP 2662838 B2 19971015; JP H05270495 A 19931019

DOCDB simple family (application)
US 3638193 A 19930324; DE 69313693 T 19930322; EP 93104691 A 19930322; JP 9698692 A 19920324